

## Appendix D



*Standing on the refuge runway facing the Shawangunk Ridge*  
Edward Henry/ USFWS photo

# **Refuge Operations Needs System (RONS) and Maintenance Management System (MMS)**

## Appendix D

Table D-1: Refuge Operations Needs (RONS) Projects for Shawangunk Grasslands Refuge

Project No.	Project Description	Refuge Rank*	Tier**	Regional Rank	FTEs*** (personnel)	First Year Cost (\$1000)	Recurring Cost (\$1000)	Duration years
00007	Design and construct interpretive trail #	1	Not ranked			280	2	15
00013	Provide Kiosk, Information and Entrance Signs	2	1	137	0	23	0	1
99002	Conduct Wildlife Inventory and Develop Management Plans (Biologist)	3	1	123	1	65	86	15
00006	Evaluate the Effects of Invasive Plant Biological Control on Grasslands and Grassland-dependent Species	4	1	183	0	151	0	1
02002	Improve Grassland Management Program	5	2	55	0	264	40	
00002	Provide Environmental Education and Interpretation (Visitor Services Specialist)	6	1	100	1	65	73	15
00201	Enhance Grassland and Shrubland Management (Maintenance Worker)	7	1	104	1	65	66	15
02001	Enhance Refuge Daily Operations	8	2	56	1	65	73	
02003	Study Collapsing Drainage System	9	2	62	0	55	0	
00003	Survey Vegetation and Invertebrate Communities	10	1	141	0	49	0	1
	Totals	-	-	-	4	\$1,082	\$340	-

### NOTES

\*Refuge ranking is independent of other stations in the complex.

\*\*Tier 1 projects identify essential staff and mission-critical activities; Tier2 are all other priority projects.

\*\*\*FTE: full- time equivalent; refers to the proportion of a full time employee. An FTE of “1.0” means one person is needed full-time

#: Estimates from Regional Office Engineering for designing and constructing an interpretive trail is \$280,000. This estimate is based on construction occurring in phases and may overlap with Project #00013 and MMS project 01001.

## D-2 Shawangunk Grasslands National Wildlife Refuge

**Refuge Operations Needs (RONS) and Maintenance Management System (MMS) Projects**

*Table 2: Maintenance Management System (MMS) Projects for Shawangunk Grasslands Refuge*

Project No.	Project Title	Refuge Rank*	Regional Rank	Cost Estimate (\$1000)
01001	# Partially Restore/ Recycle Runways and Taxiways Phase I - (Restore/Recycle Asphalt and Concrete)	1	1	1,000
01001	# Develop Visitor Services Infrastructure using sections of Runways and Taxiways - Phase II	2	1	20
00001	Replace Trailer: Construct Small Office/ Visitor Contact Facility	3	New construction (not ranked)	200
00020	CN Widen, Repave Roadway (.2 mi.) and Public Use Parking Area	4	2	432
00017	Remove remnants of FBI compound	5	3	39
	Totals	-	-	\$1,691

NOTES

\*Refuge ranking is independent of other stations in the complex.

# Phase I - Estimates from Regional Office Engineering and Facilities Specialist for runway and taxiway restoration;  
Phase II - Includes use of runways for interpretative trail. It is difficult to get an accurate estimate until the project is fully designed and goes out for bid.

